

U.S. Patent Application Serial No. 10/519,675
Amendment filed May 7, 2007
Reply to OA dated January 19, 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended): A ~~valve, coupling or like~~ fluid handling part for use in piping and fluid control devices which is composed of a plurality of components, the plurality of components including one of a specified metal member bolt or nut having a surface exposed on an exterior of the fluid handling part, the fluid handling part being characterized in that only the metal member bolt or nut is made of an alloy comprising, in % by weight, 0.001 to 0.1% of C, up to 5% of Si, up to 2% of Mn, up to 0.03% of P, up to ~~100 ppm~~ 0.01% of S, up to ~~50 ppm~~ 0.005% of O, 18 to 25% of Cr, 15 to 25% of Ni, 4.5 to 7.0% of Mo, 0.5 to 3.0% of Cu, 0.1 to 0.3% of N, and the balance substantially Fe and other inevitable impurities.

Claim 2. (Currently Amended): A fluid handling part ~~according to claim 1 which is for use in fluid control devices which is composed of a plurality of components, the plurality of components including a specified metal member having a surface exposed on an exterior of the fluid handling part, the fluid handling part being characterized in that the metal member is made of an alloy comprising, in % by weight, 0.001 to 0.01% of C, up to 5% of Se, up to 2% of Mn, up to 0.03% of P, up to 0.01% of S, up to 0.005% of O, 18 to 25% of Cr, 15 to 25% of Ni, 4.5 to 7.0% of Mo, 0.5 to 3.0% of Cu, 0.1 to 0.3% of N, and the balance substantially Fe and other inevitable impurities, the~~

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fluid handling part being a valve comprising a body, an actuator, a diaphragm and bolts for fastening these components together, each of the bolts being the specified metal member.

Claim 3. (Currently Amended): A fluid handling part ~~according to claim 1~~ which is for use in piping which is composed of a plurality of components, the plurality of components including a specified metal member having a surface exposed on an exterior of the fluid handling part, the fluid handling part being characterized in that the metal member is made of an alloy comprising, in % by weight, 0.001 to 0.01% of C, up to 5% of Si, up to 2% of Mn, up to 0.03% of P, up to 0.01% of S, up to 0.005% of O, 18 to 25% of Cr, 15 to 25% of Ni, 4.5 to 7.0% of Mo, 0.5 to 3.0% of Cu, 0.1 to 0.3% of N, and the balance substantially Fe and other inevitable impurities, the fluid handling part being a pipe coupling to be assembled by tightening up a cap nut as screwed on an externally threaded portion provided on an outer periphery of a tubular member, the cap nut being the specified metal member.